

SOFTWARE FROM THE CATALOG

AN
FORMATION
NOLOGY
MPANY

NEW!

GENESIS™

The 3D Molecular Modeler
by Scott Legrand

The atoms of life. . . carbon
. . . nitrogen . . . hydrogen
. . . oxygen . . . phosphorus

This is the stuff we're made
of. But until now, only re-
search scientists in large
universities could actually
image the building blocks of
matter.

Imagine creating the basic
elements yourself, then watch-
ing as they come to life. And
with a pair of STEREOTEK
glasses, this miraculous proc-
ess unfolds in 3D stereoscopic
depth.

Using GENESIS and your
mouse, you can:



- load and display amino acids, hydrocarbons, and sugars
- create your own molecules onscreen or build them with data from pre-stored libraries

Rotate 3D molecules on any axis—X, Y, or Z, using real-time control. In stereo, hexagonal carbon rings and delicate fingers of hydrogen burst right out of your monitor. With two molecules onscreen, you may:

- create your own rules for molecular bonding, then animate the chemical reaction between them
- derive the new empirical formula and print hardcopy

data for reference

GENESIS offers the same type of iconic control panel and intuitive human interface pioneered on the Atari ST with CAD-3D 2.0.

Three different display modes for every imaging need:

- 1) STEREO TEK LCS glasses.
- 2) Red/blue anaglyphic glasses.
- 3) No-glasses (monoscopic).

And with data provided on the program disk, you can create virtually any known molecule using the on-line periodic table of elements.

GENESIS

ST0239 \$79.95

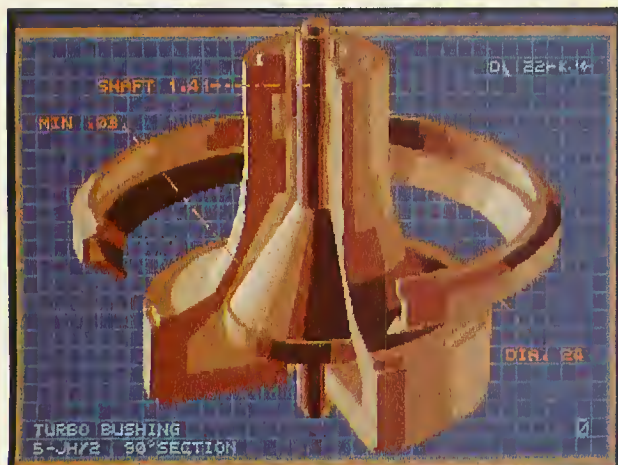
(requires one-megabyte RAM)

Available June



THE CYBER STUDIO™ (2-program set)

The first affordable integrated 3D video production workstation.



Tom Hudson's STEREO CAD-3D 2.0™

Supports (optional) STEREOTEK 3D Glasses

Hidden within your Atari ST is a professional 3D workstation. A 3D design system that is intuitive—yet powerful enough for professional artists, advertising agencies, or design firms.

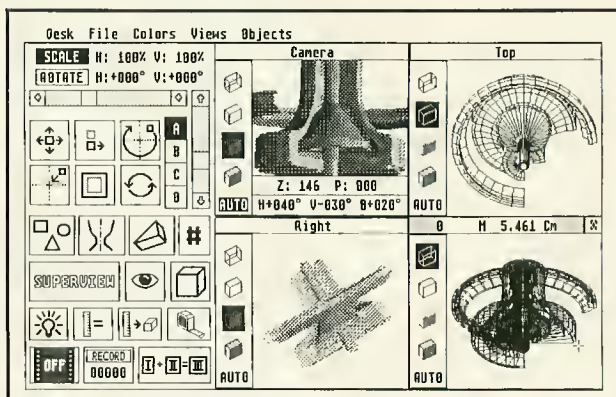
We've taken every suggestion from graphics professionals who loved version 1.0, but wanted more designing power and speed. And then we made version 2.0 an open-architecture system, so that any programmer can easily write custom applications for CAD-3D 2.0 that run as desk accessories: motion control choreography, advanced rendering/ray tracing, finite element analysis, texture mapping, custom modeling tools. . . There's no limit. CAD-3D 2.0 will never become obsolete.

Let your creativity soar with all these new features:

- Icon control panel—fast, intuitive interface
- All new, DEGAS-style color design system permits custom-color lines, edges and backgrounds, multi-colored objects
- Real-time display mode for instant response (uses 3D math developed by Jez San for Starglider™)
- Supports (optional) STEREOTEK 3D glasses for 3D viewing
- Dimensioning (feet/inches or meters/centimeters)
- Graphic lighting control—drag lights anywhere
- GDOS output supports laser and dot matrix printers
- Load/Save 2D object templates (from other CADD systems)
- Customized rendering system plus Z-buffer accuracy
- User-selectable pivot points for articulated rotations
- Enhanced Spin, Extrude, and Join tools
- Load DEGAS pics into CAD-3D background

"Antic's CAD-3D is one of the best programs I've seen for the Atari or anything else."

—Jerry Pournelle
Byte Magazine



Mark Kimball's CYBERMATE™

Supports (optional) STEREOTEK 3D Glasses

The CAD-3D Animation/Editing language

You need powerful tools to produce a professional 3D digital animation. Important things like editing, special effects, and sound are critical elements in a high-quality presentation. CYBERMATE is a full-featured animation language that gives you control over:

- Sequence looping, cuts, fades, wipes & dissolves
- Color shifting
- Sound effects (created with the G.I.S.T.™ editor, on pg. 11)
- Acceleration & deceleration
- Title generation and text display

CYBERMATE features editing power comparable to a Hollywood post-production studio, plus full programmability. At your fingertips is the most efficient real-time playback system for 3D graphics ever on a microcomputer. And it's fast!

How does it work? At the heart of CYBERMATE lies our exclusive delta compression format, which transforms your one-meg ST into a TEN-MEGABYTE frame buffer. Up to a thousand frames of animation can be held in RAM at once. And because it's a real programming language, CYBERMATE can adapt to new technologies, like the new digital video tape recorders from Japan, RGB-to-NTSC converters, MIDI, and SMPTE time code.

THE CYBER STUDIO

STEREO CAD-3D 2.0 plus CYBERMATE

2-disk set (requires one-megabyte RAM)

Upgrade from CAD-3D 1.0 for only \$60 (plus original disk and \$5 shipping)

Starglider™ Firebird Software
DEGAS™ Batteries Included

ST0236 \$89.95

"A remarkably powerful modeling system."
—Computer Graphics World

The Original...

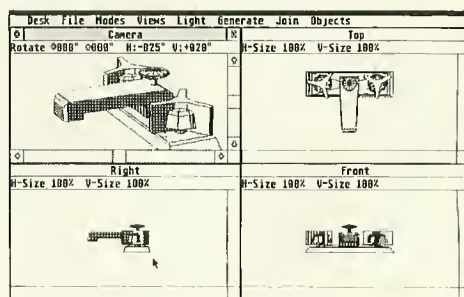
Tom Hudson's CAD-3D™ 1.0

520ST-compatible

If you own a 520ST and are interested in computer graphics, many of the features of CAD-3D 2.0 are included in this original version—you even get a basic animation system.

(requires 512K RAM)

ST0214 \$49.95





CYBERSCAPE®

A 3-D "feature film" on disk by Darrel Anderson. Skim the fantastic, 3-dimensional terrain of the mind! Metamorphosing metallatons and transforming tubular time slots! This full-color, animated feature was created by professional artist Darrel Anderson, to show what can be done with CYBERMATE—The CAD-3D Animator. An incredible **tour de force** of computer graphic power, this demo is a guaranteed auto-lobotomy of the very first order!

CYBERSCAPE DS
(1 double-sided disk)
SB0104 \$10.00

CYBERSCAPE SS
(2 single-sided disks)
SB0105 \$12.00
(Both versions require 1 megabyte RAM)

Now you can write the next hit 3D program!

3D DEVELOPERS DISK

For CAD-3D 2.0
by Tom Hudson

NEW!

While Tom was rewriting CAD-3D, he quickly realized that it was impossible to add *everything* and still release a product in this century. Plus, who wanted CAD software that required a 4 megabyte machine? So he opened up the system—by providing a programmers 'pipeline' through desk accessories.

Opportunity Knocks!

The 3D DEVELOPERS DISK clearly explains to programmers and developers how to access the pipeline. Included on the disk are full-featured example source and object code examples, plus detailed instructions by Tom Hudson showing you how to hook into CAD-3D 2.0. Create your own 3D applications—with no knowledge of 3D math. There's no licensing fee required.

(Requires CAD-3D 2.0)
(works with most popular ST C's plus machine language)
3D DEVELOPERS DISK
ST0244 \$29.95
AVAILABLE JUNE

3D-FONT PACKAGE

by Tom Hudson

Design your own 3D greeting cards, signs, logos, and letterheads with CAD-3D. Or create sophisticated 3D animated title sequences for your home videos.

At the heart of this packed disk is Tom Hudson's new **SUPER EXTRUDER TOOL**. With it, you can create new kinds of complex, **multicolored 3D objects** that can't be built with CAD-3D alone. Plus, it

doubles as a 3D FONT EDITOR, and Tom has built **two incredible fonts** just for you (serif and sans-serif, upper and lower case—over 250K of fonts!).



(requires CAD-3D)
3D-FONT PACKAGE
ST0224 \$24.95

PLOTTER AND PRINTER DRIVERS

Plot your 3D drawings on a high-resolution pen plotter for a truly professional look! Supports Hewlett-Packard (and HP compatible) plotters. Multi-plots on a single page—best fit system.

(requires CAD-3D)
PLOTTER DRIVERS
ST0225 \$24.95

Also, dot matrix printers supported: GEMINI/STAR, EPSON, OKIDATA, IBM, COLOR (Radio Shack, Epson, Canon), NEC, PANASONIC, C-ITOH, and more.

THE CAD-3D DESIGN DISK LIBRARY

Darrel Anderson and Richard Berry
YOUR FOUNDATION FOR THE BEST IN CAD-3D ART

HUMAN DESIGN DISK™

NEW!

Populate the CAD-3D Universe. Bring life to your CAD-3D creations with the CAD-3D HUMAN DESIGN DISK. Complete modular male and female prototypes, in skeletal and surface anatomy forms, are included. A variety of complex heads and hands add detail and realism to your figures. Modify your figures to create the infinite variety of the human form, pose your figures, detail the images with any popular paint program, or



bring them to life with the CYBERMATE Animation System. Includes:

- Blueprints
- Tips on the dynamics of human anatomy.

ARCHITECTURAL DESIGN DISK™

NEW!

Create CAD-3D renderings of your Dream House or build an entire CAD-City from the ground up. Component parts including: Doors, Windows, Arches, Roofs, Walls, Stairways, and a wide variety of architectural accoutrements. Create your own CAD structures and populate them with HUMAN DESIGN figures. Build "sets" for your CYBERMATE animated movies.



visualize and render real world architecture. It is not intended for use as an architectural engineering tool. Includes:

- Blueprints
- Complete Models
- Design Tips

NOTE: The ARCHITECTURAL DESIGN DISK can be used to

FUTURE DESIGN DISK™

Get a fast start on your three-dimensional explorations with the CAD-3D FUTURE DESIGN DISK. Everything you need to create SPACECRAFT, STATIONS, BASES, VEHICLES, ROBOTS, and ANDROIDS. Model your future then populate it with androids and CAD-People. Bring it to life with CYBERMATE; detail it with any popular paint program.

Includes:

- Blueprints
- Complete models
- Component parts



- Construction tips

*HUMAN DESIGN DISK
ST0242 \$29.95
*ARCHITECTURAL DESIGN DISK
ST0243 \$29.95
FUTURE DESIGN DISK
ST0232 \$24.95
(All Design disks require CAD-3D)
*AVAILABLE JUNE



800-443-0100, ext. 133

(Continental U.S. and Hawaii) Visa/MC Only

ORDER TOLL FREE

True stereoscopic 3D graphics for your Atari ST.

STEREOTEK™ 3D GLASSES

by LC Technologies



© Michel Tcherevkoff TIB West

Put on the STEREOTEK glasses and jump into a new universe. Discover a magical world that you always knew existed. That *extra* dimension—DEPTH. Now you can add depth to your computer graphics with the STEREOTEK Liquid Crystal glasses. Solid, realistic, 3D images you want to reach out and touch. STEREOTEK glasses plug into your ATARI ST cartridge port to provide absolutely realistic 3D graphics in full color or hi-res monochrome.

NOW! AVAILABLE FOR USE WITH STEREOTEK GLASSES

NEW!

LCS WANDERER™

by Pyramide Software
Deep space has never been so real!

LCS WANDERER is the first ST game designed for full-depth stereo. Written in France, but set in outer space, this stunning arcade adventure transports you through galactic Space sectors, Black holes, and Limbo. Startlingly realistic, stereo point-of-view animation puts you in the cockpit as you swoop and dive through star fields while dodging enemy craft.

This is no ordinary space shoot-em-up. The bizarre, complex plot involves the ruthless kidnapping of every cat on earth. As you wander through space, collecting purloined pussycats, you run across the Heads of State of the Planetary sectors with

whom you must play interstellar poker. LCS WANDERER is a complex, multimodular program—really several games in one. Journey from the dogfights in the Space sectors to the interstellar poker strategies, from the Battlezone-style of the Planetary sectors to the stereo tunnel of the Black holes, and Limbo... well, there's always Limbo.

The liquid-crystal clarity of the StereoTek glasses transforms LCS WANDERER into a multi-colored micro universe within your monitor. Includes a completely redesigned solid-surface cockpit, full 16-color displays, and reduced eye-fatigue compared to the original red/blue version.

(Requires color monitor and StereoTek glasses)
LCS WANDERER
ST0238 \$39.95

Battlezone™ Atari Corp.

Your STEREOTEK depth-view system includes:

- One pair electronic Liquid Crystal Shutter glasses with four-foot cable (can be comfortably worn over eyeglasses).
- ST cartridge interface unit—supports two sets of glasses (second set optional).
- DEGAS Elite Stereo Desk Accessory.
- Stereo CAD-3D animation and stereo slide show by Tom Hudson.
- For programmers: Complete developer's instructions plus sourcecode for adding stereo to your own programs. (C or GFA BASIC)

The secret to full-color stereo images on a computer screen is electronic Liquid Crystal Shutter (LCS) glasses. Two optical shutters in eyeglass frames are connected electronically to the ST. Every time the ST screen refreshes (60hz/color, 70hz/mono), one shutter closes and the other opens. The monitor displays alternating right and left eye views synchronized with the shutters. The alternating views appear faster than the eye can see, and your brain translates the normally flat monitor image into one of startlingly realistic depth.

STEREOTEK 3D SYSTEM

TH9020 \$149.95

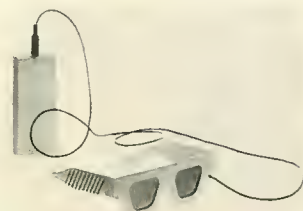
ADD-ON GLASSES ONLY

TH9021 \$99.95

STEREOTEK 3D SYSTEM

Manufacturer's Sugg. List: \$189.95

Catalog Price: You pay only \$149.95

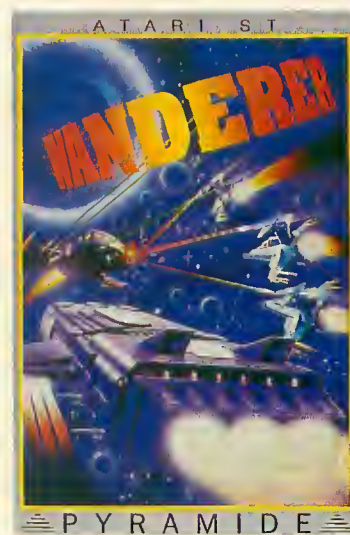


LC Technologies is a venture of Tektronix, Inc.

\$5,000 CONTEST

Antic and LC Technologies are co-sponsoring a competition to search for the MOST INNOVATIVE STEREO APPLICATION PROGRAM. We're going to pay \$5,000 in cash (advance against royalties) for the winner, plus a continuing royalty upon publication here in The Catalog.

For an official entry blank and competition details, write to: STEREO COMPETITION; The Catalog, 544 Second St., San Francisco, CA 94107, or call (415) 957-0886.



BASE TWO™

The GEM Database by the Authors of DBMASTER ONE

THE NEXT STEP IN DATA-BASES, BY THE AUTHORS OF DB MASTER ONE™!

BASE-TWO™

Dan Matejka
and Stanley Crane

It's no fun re-learning your database commands every time you boot it up. And those simplistic "filecard" databases just don't have the power to do the job. Or, maybe you've just created your custom database, entered 5,000 records, and now you want to print a report. . . Good luck. You need a degree in programming just to get some decently formatted hardcopy!

Dan Matejka and Stanley Crane have eight combined years of experience writing databases on computers ranging from the IBM PC to the Apple Macintosh. And their databases range in complexity from the extremely powerful and complex IBM PC DB MASTER to the familiar, introductory DB MASTER ONE on the Atari ST. They've watched the ST database market grow—and they've spotted a gap: Until now, ST databases have been either too simple, or too complex. Until now, ST owners were limited to easy-to-use, inflexible "mailing lists," or involved, programmable "throw-backs" to the

CP/M or MS-DOS world. Until now, there was no intuitive, yet powerful database featuring an adaptable report generator. *Until now.*

BASE-TWO fills the gap. Entirely GEM-operated, DB MASTER-ONE owners will find it familiar, yet far more powerful. Look over some of the features and see if it solves your problem:

- Variable field types:
 - Implicit (default)
 - Alpha
 - Numeric
 - Date (calculable)
 - Formula
- Formula fields automatically calculate results from several fields in same record
- Adjustable numeric decimal placement
- Re-edit database at any time without losing data
- User-definable .DIF file creation for software compatibility (with A-CHART, for example)
- DB MASTER-ONE conversion program
- On-line Help screens
- Optional mouse or keyboard control
- 64 character label length
- 100 fields per record
- Multi-level Search and Sort
- Totally RAM-based for instant action
- Format disks from within program

The intuitive BASE-TWO

Report generator includes:

- Multi-line field word-wrap; screen and printer
- Completely adjustable label or column-format report
- Place "comment" text anywhere
- Customize with printer control codes
- "Soft" field borders for auto-field truncation

INSTANTANEOUS SORTING!

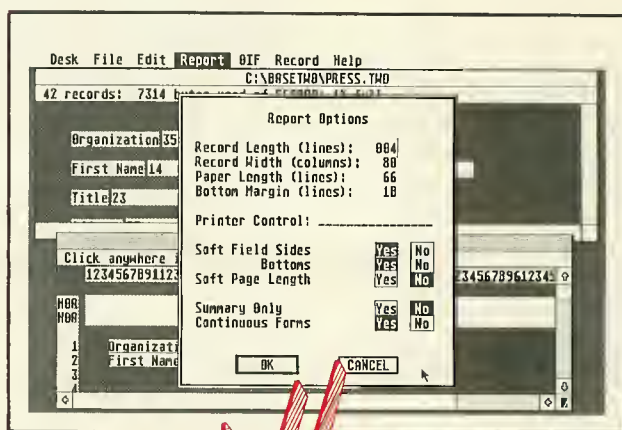
size	# records	sort time
512K	5,000	5.1 sec
1 Meg	10,000	9.7 sec
2 Meg	20,000	19.2 sec
4 Meg	50,000	46.1 sec

Using a sample eight-field mailing list.

- Optional, automatic date, time, and page numbering
- Print reports to screen, printer, or ASCII disk file for word-processor editing
- Optional subtotal printout
- Adjust number of records per page
- Double-line report headers
- Single-sheet or continuous feed option
- Store 10 custom reports for each file
- Up to 100 unique fields per report

BASE-TWO

ST0246 \$59.95



NEW!

**800-443-0100,
ext. 133**

(Continental U.S. and Hawaii)

Visa/MC Only

ORDER TOLL FREE

24 hours-a-day

PHASAR IS THE STANDARD BY WHICH OTHER FINANCIAL PACKAGES WILL BE MEASURED

IBM AND AMIGA USERS SAY:

"The first home accounting package I have found in five years that is actually usable."
—Mark Baldwin, Littleton, CO

"I am enjoying your tutorial almost as much as I admire the power and versatility of the software itself."
—Joe Joyce, Huntington, VT

PHASAR

Professional Home Accounting System and Register
by Marksman Technology

WHAT PHASAR IS: A friendly, GEM-based, single-entry accounting system that will make your life easier. PHASAR is fast, sophisticated and contains the best interface programming design we've seen in any ST applications program.

GENERAL FEATURES

- 130 expense/income categories
- 40 accounts (VISA, checking, etc.)
- Up to 500 transactions per month
- Custom check printing
- A.I. parser predicts input, minimizes typing
- Instant help messages with right mouse button
- Relational design integrates financial data

TRANSACTIONS

- Automatic transfers between accounts
- Split-category transactions
- Create transaction macros for repetitive entries
- Point-and-type spreadsheet-style relational summary update

FINANCIAL ANALYSIS

- Easy budget setup and maintenance
- Analyze loan/savings plans
- Display multiple loans simultaneously for easy comparison

DATE/ADDRESS ORGANIZER

- Store up to 250 names, addresses and phone numbers
- Integrated scheduler stores special occasions
- Display calendar with highlighted special occasions
- Optional auto-alert reminds you of important events

RECONCILIATION

- Display outstanding transactions for any account
- Confirm transactions with single keystroke

REPORTS

- Clearly formatted printed reports include:
 - Account Summaries
 - Category Summaries
 - Net Worth Statement
 - Tax Calculations
 - And more...
- Display or print total income/expenses, monthly or year-to-date
- Sort categories in any order
- Built in data graphing
- Compatible with A-CHART

TAX

- Design your own tax forms—never out of date
- Calculate tax liability in less than one minute
- Project tax liability at any time

PHASAR

ST0237

\$89.95

THE CATALOG ST 7



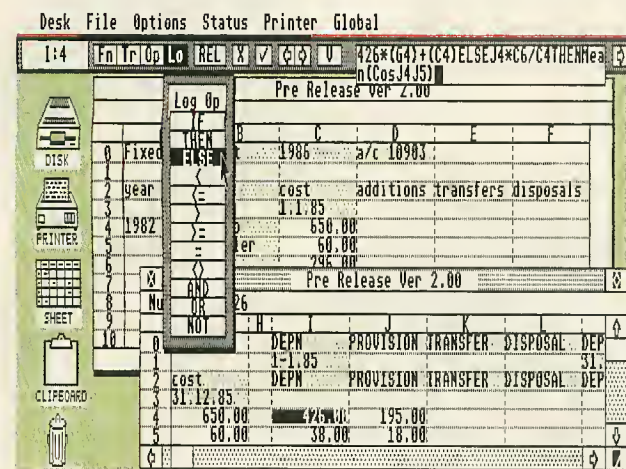
BYTE TESTS SHOW A-CALC ALMOST TWICE AS FAST AS MICROSOFT MULTIPLAN ON THE MAC PLUS!

A-CALC PRIME™ by Kuma

Kuma Computers, Ltd. UK

That's right! In the February 1987 review of the Atari 1040ST, BYTE magazine selected A-CALC 1.0 to test the Atari against the Amiga and the Macintosh Plus. On recalculation of a 25×25 cell spreadsheet, A-CALC was the clear winner at 4.7 seconds, compared to 7.5 on the Mac Plus, and 6.5 on the Amiga (using Lattice Unicalc).

And now, you can have all the speed of the original GEM-based spreadsheet plus the powerhouse features of the next generation: A-CALC PRIME—it blows away the competition.



Features that made the original A-CALC 1.0 the easiest-to-use spreadsheet ever:

- Up to five windows open at once
- WIDE-VIEW option to see 50 percent more of your worksheet at once
- SEARCH for character strings
- Powerful PRINTER FORMATTING commands

"This is the easiest to use spreadsheet that I've ever seen."

—W. Krieger

Computer Shopper Magazine

- .DIF file compatibility
- Exclusive A-CHART compatibility
- Sparse-matrix design maximizes available RAM

And now, PRIME adds dozens of special features:

- Row and column lock.
- Conditional expressions (IF, THEN, ELSE, etc.)
- MACROS
- Labels
- 8192 rows×256 columns
- Color/pattern coding of formula, text, value, etc.
- SORT and FIND
- Trig functions
- Sideways printing (for Epson compatibles)
- High-speed SMOOTH screen updating
- Complete printer control from within the spreadsheet
- Password-protected cells (hide and unhide)
- Additional ease-of-use features:
 - Off-screen scrolling with the mouse
 - Out-of-the-way convenient edit window
 - Cell and range reference by pointing with the mouse (even reference cells in inactive windows!)
 - Ten clipboards
- Illustrated manual and on-disk examples

In short, PRIME gives you premium spreadsheet power for the rock-bottom price of \$59.95. And, for A-CALC 1.0 owners, the upgrade is only \$20.00 (plus \$5.00 shipping. Enclose your original ver. 1 disk).

A-CALC PRIME
ST0235 \$59.95

Make your next presentation the one they remember.

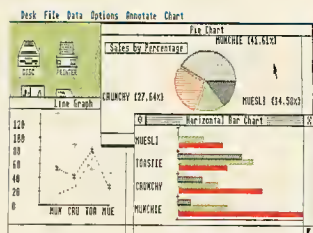
A-CHART™ by Kuma

Kuma Computers, Ltd. UK

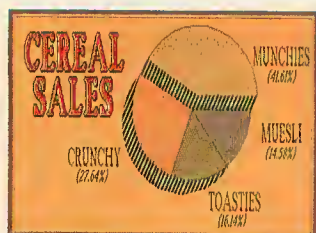
When was the last time you were excited about your spreadsheet? A-CHART makes working with figures fun and intuitive.

A-CHART automatically turns your A-CALC (or A-CALC PRIME) spreadsheets into beautiful graphs that are DEGAS-compatible. And, if you don't have a spreadsheet, A-CHART's built-in editor will help you organize those numbers into a super-sharp presentation.

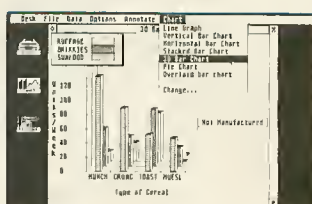
View your data in eight different chart styles—change styles instantly with one mouse click. Drag and size multiple



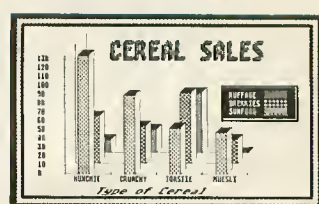
A-CHART



DEGAS ENHANCED



A-CHART



DEGAS ENHANCED

charts in each window, define your own fill patterns and line styles. The flexibility of the graphic presentation of your numbers will give you an entirely new perspective on your business or home budget. And A-CHART grows as you do, with the capability of storing up to 50,000 data points in a 512K machine and 150,000 datapoint in a 1 meg machine. Full statistics menu for detailed analysis includes Mean, Median, Variance, Standard Deviation, Skewness, T-test, F-test, and much more.

A-CHART

ST0230 \$39.95

Epson-compatible from A-CHART.

Multi-printer compatible from DEGAS.

File compatible with BASE-TWO, PHASAR, and A-CALC PRIME

"FLASH is my #1 choice on the Atari ST."

—Ron Luks, Founder of CompuServe's SIG* Atari and Atari Developers Forum.

THE MOST POPULAR
TERMINAL PROGRAM FOR
THE ATARI ST.

FLASH™

Version 1.1
by Joe Chiazzeze and
Alan Page

If you own a modem, you should be using FLASH. Why? Because FLASH is the best. It will simplify your online time and make telecommunicating more enjoyable and less expensive.

TOTALLY PROGRAMMABLE PLUS BUILT-IN WORD PROCESSING

Imagine turning on your ST and, with one click from the GEM Desktop, beginning an online session on your favorite BBS. Watch FLASH

dial the number, log on, and **automatically** browse through the most recent messages or files. Then, edit some email in the **built-in message editor**, and upload it right from the capture buffer. Instantly! It's your personal telecom droid. So programmable that you have **total control**, and so GEM-intuitive that you feel right at home the first day you use it. No wonder FLASH is the most popular Atari terminal program of all time.

TERMINAL EMULATION PLUS BULLETPROOF FILE TRANSFERS

Of course, FLASH has a barrel full of terminal-emulation features, such as DEC VT100/VT52 and CompuServe Vidtex graphics, so you can use it with **every** mini or mainframe editor. And talk about

bulletproof file transfers! It's got the most **reliable** Xmodem around—never lose a file during transmission again!

PACKED WITH FEATURES!

Here are just a few of the most useful features. Shop around and see if any other terminal program can even come close!

- Built-in GEM word processor with cut & paste
- Programmable "script" language (70 commands)
- Mainframe terminal emulation
- Xmodem (CRC), ASCII and DC2/DC4 file transfers
- Totally configurable to **your** needs!
- \$15 online time and CIS membership

Ask your local telecom guru's opinion. FLASH is the winner... **hands down!**

FLASH
ST0220 \$39.95

FLASH COMMAND CARDS TH9025 \$7.95

"FLASH is to the Atari ST what Lotus 1-2-3 is to the IBM PC."
—Ken Wolburn *Microtimes Magazine*

DOUBLE THE
POWER OF
YOUR **FLASH!**
TRANSFORM
IT INTO A BBS!
ADD KERMIT!

REMOTE CONTROL ACCESSORY & KERMIT PROTOCOL™

by Joe Chiazzeze and
Alan Page

One mouse-click transforms FLASH into a password-protected BBS. You can send and receive files while you're in another room or even away from home!

Plus, you can now use the

powerful KERMIT protocol with FLASH. **With KERMIT, you can transfer up to 128 different files without touching your keyboard!** More powerful than the version shipped with the Atari Developer's Kit—total automation for less than \$25!

Works with any Hayes-compatible modem.
(Remote/Kermit requires FLASH™)
ST0226 \$24.95

SOUP UP YOUR
MODEM... IN
SOFTWARE!

NEW!

QUICKTRAN™

The Modem Accelerator
Adrian Jovanovich

Your 1200-baud modem can now transfer files at over 2000 baud... 2400 baud now flies at 4000 baud... The telephone company can't stop you. It's totally legal!

The Buddy System

QUICKTRAN comes to you as two identical disks. Each contains a desk accessory that works by itself (as a VT52 emulator), or with FLASH. The QUICKTRAN accessory auto-

matically shrinks a file when you're sending it—in real time, smaller than ARC.TTP. And on the receiving end, the file is expanded back into its original size as it's coming in over the phone lines. Why spend hundreds of dollars on a faster modem when you can transfer files in almost half the time with QUICKTRAN? Get together with a friend and start a modem conspiracy!

QUICKTRAN
ST0247 \$34.95
(2-disk set)

FREE! Try FLASH now and get \$15.00 of CompuServe access time, **FREE.**

Order now and you'll receive a CompuServe Intro-Pak; your free introductory subscription to the CompuServe Information Service with a 46-page CompuServe mini-manual. Plus \$15.00 worth of CompuServe access time, free.

**800-443-0100,
ext. 133**

(Continental U.S. and Hawaii)
Visa/MC Only

ORDER TOLL FREE

ARTIFICIAL INTELLIGENCE
Teach your ST, then let it teach you!

EXPERT OPINION™

by Mind Soft

Curious about expert systems and artificial intelligence? Discouraged because most expert systems tools are either for the IBM PC or Macintosh? And usually cost over \$700?

Transform your ST into an expert on any subject. **EXPERT OPINION** creates production-rule knowledge bases with more power than the average university system. And you don't need to know a programming language like Prolog or LISP—**EXPERT OPINION** is totally GEM-based... so you already know how it works.

Create your own expert

systems for classification of Horticulture, Animal Husbandry, Gemology, Medical diagnosis, Economics—any subject you want. Be a part of the first wave of knowledge engineers!

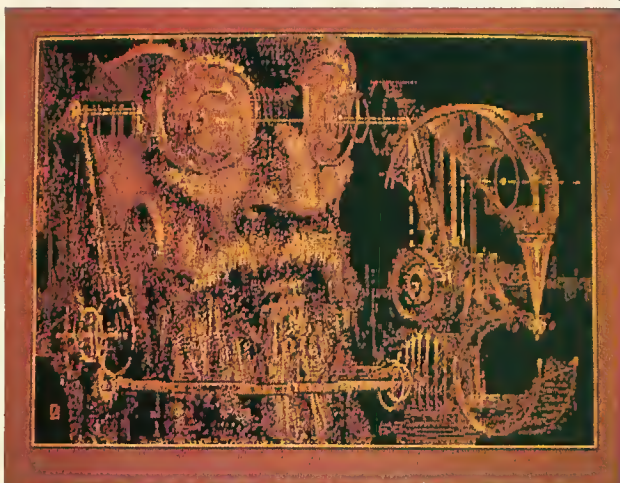
EXPERT OPINION's "Inference Engine" solves problems three ways: **DEDUCTION** (forward chaining); **VERIFICATION OF A HYPOTHESIS** (backward chaining); or a unique combination of both modes. **CERTAINTY LEVELS** allow you to fine-tune your knowledge base with heuristic control. Plus, the clear, well-written documentation includes a tutorial by Harvard expert and **START** contributing editor Christopher Chabris.

FREE BONUS! To get you started, we've included a disk packed with knowledge bases about a typical application... Gemology. The six linked knowledge bases will guide you through the classification of over eighty kinds of rocks and minerals.

Perfect for studying how an expert system is built.
EXPERT OPINION
(2-disk set)
ST0219 \$99.95
WARNING: This is a sophisticated computer science tool requiring study to use it effectively.



BATTERIES INCLUDED



ANYTHING THIS MUCH FUN IS USUALLY ILLEGAL.

D.E.G.A.S. ELITE™

by Tom Hudson

The best-selling graphics software on the Atari ST just got **ten times better!** **D.E.G.A.S. ELITE** has all the power of the original, **plus:**

- 1) Multi-color fill patterns
- 2) Special effects like scaling, perspective distort, rotating, outlining, and color animation
- 3) Multiple screens in RAM at once (up to 8)—cut and paste between them
- 4) Color search and replace

DEGAS ELITE

TH9036 \$79.95



INTEGRATED FINANCIAL SOFTWARE FROM BATTERIES INCLUDED THE ISGUR PORTFOLIO™

THE ISGUR PORTFOLIO is three programs in one: Portfolio manager, telecommunications, and calendar/memo pad. Receive Dow Jones stock quotes, CompuServe, The Source, and InfoGlobe financial information, automatically. Consolidate multiple stock portfolios. Hands on management of stocks, bonds, options, commodities, mutual funds—your key to financial success.

A real value for your investment. Plus, **THE ISGUR PORTFOLIO** includes **I-S TALK**. Invest in your future... today.

TH9009 \$199.95

A SPELLING CHECKER THAT IS LIGHTNING FAST!

THUNDER™

THUNDER gives you a powerful spelling checker accessible from within your favorite application program. Your

accuracy will skyrocket, so the time spent proofing will plummet.

It's so simple. Here's how it works. Example: you're happily writing away and you make a "mistake" and BEEP (**THUNDER** picks up the error with lightning-fast speed). Now **THUNDER** will display a list of similarly spelled words (stake, mistake, etc.).

TH9011 \$39.95

TAKE A SECOND FOR TIME MANAGEMENT TIMELINK™

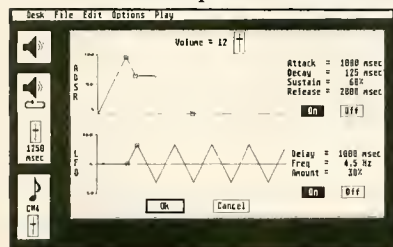
TIMELINK is a great GEM-based scheduling and time-keeping tool for home and business. Your day, week, month and year appointments are only a mouse-click away. Useful for messages, reminders and much more. There are many incredible uses for this handy elegant, time-saving tool.

TH9010 \$49.95

CREATE NEAR-SYNTHESIZER-QUALITY SOUND EFFECTS
WITH OUR **SOUND LABORATORY.**

G.I. Sound Tool
G.I.S.T.™

by Lee Actor & Gary Levenberg for Synthetic Software
If **sound** has always fascinated you... or if you're a programmer or developer... take a look at G.I.S.T., the sound editor. G.I.S.T. was created to establish a standard of sound generation on the Atari ST that far surpasses the abilities of the built-in sound chip.



G.I.S.T. is really two programs:
1) GEM-based editor
2) Sound Driver

As you can see from the screen display, the G.I.S.T. editor gives you real-time mouse control over any sound shape. The key to

G.I.S.T.'s power is dynamic control of the GI chip. Each voice has three ADSR (envelope) controls and three LFO's (low frequency oscillators). You'll be creating sounds like a profes-

sional engineer—Near Synthesizer Quality (NSQ) sound.

For programmers, the Sound Driver is linkable object code that can be used in your own software. Adding superior sound effects to **any** program... It's interrupt-driven, so it won't impact the speed of your software. In fact, it's already built into CYBERMATE for CAD-3D—just one of many useful applications.

LET'S-GET-TECHNICAL BOX

- Volume ADSR to shape attack, decay, sustain, release
- Volume LFO for Tremolo effects and AM (Amplitude Modulation)
- Frequency ADSR—frequency shifts up to ± 3 octaves!
- Frequency LFO for Vibrato effects and FM (Frequency Modulation)
- LFO delay lets you add effects at any point in the sound
- MIDI-compatible! Use your keyboard to play the GI chip
- Three sound windows may be open at once

G.I.S.T. is also compatible with CYBERMATE. Add **sound effects to your CAD-3D animations!**

Source-compatible with Alcyon C, Megamax C, and Lattice C.
G.I.S.T.

ST0233 \$34.95

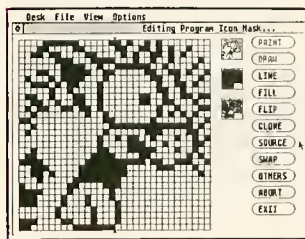
START ICON EDITOR HITS

P.I.E.™ *NEW!*
Professional Icon Editor
Alex Leavens

It began as a hot little desk accessory in START, The ST Quarterly—you know, "Customize Your Desktop Icons!" or so the copy read. And it was a lot of fun. You could redesign your Trash can to look like a paper shredder. But the programmer, Alex Leavens, just couldn't leave it

alone. He kept *adding* things.

Now, the Desktop Icon Editor has graduated. P.I.E. is the *Professional Icon Editor*—for programmers as well as desktop artists. Alex has added



icon code generation so you can now design icons for your own programs. And while he was at it, he added a bunch of graphics improvements to delight the artist in you. New features include:

- Generates Resource Construction Set code for icon images; P.I.E. can be used from within the Resource Construction Set to create and edit icons for the resources you're currently working on!
- Improved Editing Features:

- Faster Paint and Line modes
- New Image Cut & Paste functions
- Selectable Fill Patterns
- Horizontal and Vertical Image Flip
- Multiple Sub-function Menus added
- Nine-level Bi-directional Undo buffer
- In-program Desktop Icon Preview mode
- Improved Keyboard Response

P.I.E.
ST0248 \$29.95

CRYSTAL™

(It makes GEM shine...)
by Jim Thompson

These are the DOS Icons Digital Research forgot when they wrote GEM. It's too bad Atari didn't put **CRYSTAL** into the TOS ROM's, because for about 30K of code, **CRYSTAL** gives TOS the most powerful features of MS-DOS. Plus, you never lose the look and feel of GEM. And since **CRYSTAL** is a desk accessory, it's always available.

In fact, these eight icons will eliminate all the frustration

you feel from not having powerful DOS functions available from within your favorite GEM program (or the desktop)...

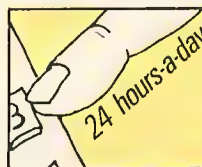
Of course, **CRYSTAL** is compatible with all monitors, all disk drives, and all printers.

Make your personal version of GEM shine—for \$24.95.

CRYSTAL
ST0229 \$24.95

ADD A WORLD OF DOS ICONS TO ALL OF YOUR GEM PROGRAMS.

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| | CREATE and DELETE folders | | FORMAT disks |
| | MOVE files in and out of subdirectories or to other disks | | DISK LABELS printed automatically |
| | TEXT FILE FORMAT and PRINT using headers, footers, and page numbers | | DELETE files |



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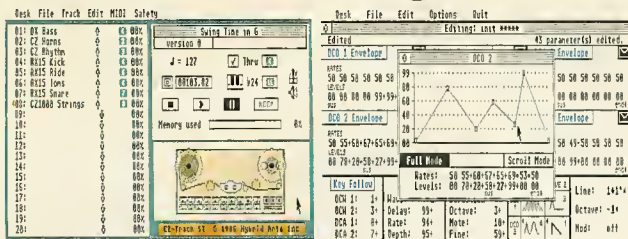
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Hybrid Arts, Inc.™



The 20-track polyphonic MIDI recorder for the Atari ST.

EZ-Track™

This is the finest, moderately-priced MIDI software we've seen—and by an experienced firm with a strong music background. Easy to use, but no toy! With EZ-Track, you can make multitrack recordings in real time or step time, save them to disk, then play them back in perfect sync. Professional features include: Real-time solo and muting of tracks, quantizing (auto-correcting) of timing, instant transposition of entire song and much more. Memory capacity is over 27,000 notes on the 520ST and over 63,000 on the 1040ST—very flexible MIDI control.

TH9029 \$65.00

The patch librarian, editor and sound generator for the CASIO CZ synthesizer series and Atari ST.

CZ-Android™

Completely professional MIDI software designed specifically for your CASIO CZ synthesizer. CZ-Android actually **helps you program** your CASIO CZ synthesizer. Then save thousands of your lush new patches with the 20,000-patches-per-disk librarian. Plus, you can edit all CZ parameters either **graphically** or numerically. The unique **Android programmer** lets you listen to thousands of new, original sounds and select the ones you like: to use right away, for graphical editing, or to save for later use. Get the most out of your instrument!

TH9031 \$99.95



MIDI CABLES

High-quality MIDI spec. cables in 5 foot length.

TH9032 \$3.95 each



MISSILE COMMAND™ MEETS SDI—WITH A TWIST.

RED ALERT™

by Stanley Crane and Daniel Matejka

What if you could view a game of SUPER MISSILE COMMAND from space? You'd be playing RED ALERT! Your cities are under attack. Russian ICBM's and MIRV's are coming in—both over the pole and from subs. **You** make the decisions about where to locate your Antiballistic Missile Silos, Ground-based Lasers, and when to use your space-based Particle Beam Weapon. The **twist** is that you may also place your cities anywhere you want... from your hometown to Havana. Or use the European scenario and defend London, Paris and Rome from the Red Menace!

The perfect blend of strategy and arcade excitement.

RED ALERT

ST0223 \$24.95

MISSILE COMMAND™ Atari Corp.

WHY TRUST GYPSIES?

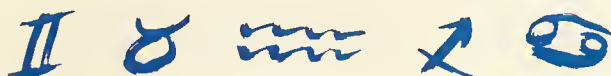
STAR STRUCK™ —The Astrologer

by Harry Koons

Sure, you can cross that palm with silver, but can you **trust** the results? Your ST, on the other hand, won't leave you in the gutter with empty pockets. And it's accurate! This GEM-based celestial workhorse **instantly** creates charts using formulas for the 9 most popular historical house systems (Placidus,

Morinus, Porphyry, and 6 more). And if you don't know the coordinates of your birthplace, just **point and click** on the US or world maps! Of course, you can save charts in DEGAS format and create your own **astro-masterpieces**. STAR STRUCK works in color or monochrome and comes with loads of extra fonts. Now you've got something to talk about at the local singles bar.

STAR STRUCK
ST0222 \$24.95



AT LAST! subLOGIC's Flight Simulator for the ST FLIGHT SIMULATOR II™

Buzz the World Trade Center—fly under the Golden Gate. This is it. The Atari ST version of the phenomenally successful FLIGHT SIMULATOR II. And it's really something.

Fly a Cessna prop plane, soar in a Lear jet, or dogfight with other planes in a World War I scenario. **Completely mouse controlled!** Multiple windows for multiple viewpoints: cockpit, spotter plane, tower, zoom-map—set up as many as you like, drag them, size them and put them where you want. Special custom-graphics routines permit multi-tasking windows. Explore accurate, solid, three-dimensional geographical scenarios which sweep by at update rates as high as 10 frames-per-second. Supplied scenarios include San Francisco, New York to Boston, Chicago to Champaign, Los Angeles, and Seattle.

RIVALS PROFESSIONAL TRAINING UNITS!

Two experienced pilots on our staff took FLIGHT SIMULATOR II up for a spin and pronounced it a complete success—detailed, accurate, in many ways far better than professional flight simulators. You can preset your position and altitude and adjust your seasonal and weather conditions—including wind direction and

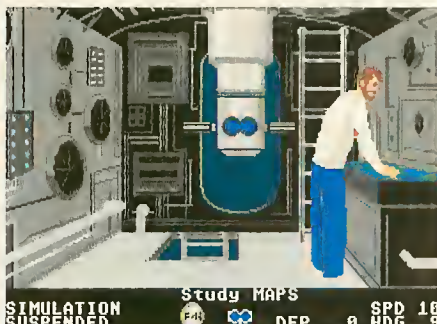


multiple cloud layers. Nine directional views are available from the cockpit **plus** a zoom and a pan. "Instant Replay" feature lets you redo your most successful moments—which you can then watch from any vantage point!

Spectacular two-player mode lets you **fly with a friend over modem**. If you know someone with an Amiga version, you can take your rivalry to the skies!

FLIGHT SIMULATOR II
TH9027 \$49.95

MICRO PROSE



SILENT SERVICE™

Exciting World War II Submarine Action in the South Pacific!
by MicroProse
0400 hours, Tuesday,
August 12, 1942... **BATTLE**

STATIONS!! BATTLE STATIONS!! Enemy convoy identified on radar!!

SILENT SERVICE, The Submarine Simulation, brings exciting action, great strategy, detailed graphics and an ultra-

realistic simulation of World War II U.S. submarine action in the South Pacific.

SILENT SERVICE's outstanding features include: all the critical battle stations, engine room, conning tower and ship's bridge; challenging and realistic combat versus single ships and heavily escorted convoys; and an infinite variety of situations using complete maps and charts for the entire Southwest Pacific and a sophisticated and realistic attack plotting system.

SILENT SERVICE provides a wide selection of historic scenarios. From hit-and-run

attacks to patrol missions that bring challenge and fun to both the first time player and the experienced submarine veteran.

As captain, you select a quiet patrol sector in the Marianas Islands, or choose the dangerous waters off the coast of Japan. Is the submerged daylight periscope attack best, or do you charge in on the surface at night using only radar bearings as your guide? These and many more decisions will determine your place among the elite ranks of the **SILENT SERVICE**.

TH9016 \$39.95



MichTron



GET ORGANIZED AND HAVE FUN WITH MICHTRON

Eliminate the desk battlefield and make organizing easy!

CORNERMAN™

What Sidekick did for the IBM, **CORNERMAN** does better for your Atari ST. This utility gives you a host of useful desk-top tools in one simple, neat package. With everything from a built-in clock, notepad, phone book and ASCII table, to a full-function calculator, a cluttered desk is a thing of the

past. And as a desktop accessory, **CORNERMAN** is available nearly anywhere within GEM.

CORNERMAN doesn't interfere with other programs and comes complete with security. **HIRE THE PERFECT SECRETARY TODAY—HIRE CORNERMAN.**

(One megabyte RAM recommended.)
TH9013 \$49.95

PINBALL FACTORY™

Design your own pinball machines! Full-featured editor includes graphics line, circle, ray, box, textured fill, and more. Use your mouse to drag bumpers, borders and bells into position. Adjust the gravity, elasticity and speed. Save your creations to disk and build a whole arcade of pinball wonders!

TH9026 \$39.95

Now you're organized—so take a break and have some fun.

TIME BANDIT™

The arcade adventure takes you to the world of the biggest, fastest, most detailed game ever designed for a home computer. Features: 16 unique arcade lands, 3,000 screens, realistic detail, three text adventures, unique dual-player mode. Uses 16 color monitor.

TH9014 \$39.95

TURN YOUR ST INTO TWO COMPUTERS!

K-SWITCH™

by Kuma Computers, Ltd.

Picture this: You're in the middle of hyperwarp to an endangered sector of the Star Raiders™ galaxy when you hear the approaching footsteps of your boss. No problem. You press three keys and your ST **instantly** switches to IST WORD™ where you continue working on a letter to the Accounting Director. The boss's steps recede in the corridor... press three keys and—WHAMO! Right back in the middle of hyperwarp.

If you have a megabyte of RAM in your ST you can now **load two programs at the same time**. K-SWITCH splits your ST into two isolated 400K blocks, with a shared RAMdisk. You can

toggle between two programs instantly—at any time. The inactive program will be frozen in progress, ready to continue right where you left off.

Now you can use your favorite word processor and database **together**. And for the ultimate in financial software, mate A-CALC PRIME and A-CHART, transferring data instantly with the RAMdisk. Even run low res. programs in one half, and medium res. in the other—it's a marvel to see it switch.

If you own a megabyte ST, K-SWITCH will transform the way you use it. Today.

(1 megabyte RAM required)

K-SWITCH

TH9023 \$24.95



Construct GEM resources without spending \$300 for the Atari Developers Kit.

K-RESOURCE™

by Kuma

Do you program in any of these languages? ■ C,

- Pascal, ■ Modula 2,
- Fortran, ■ Lisp.

Now you can write professional GEM programs with custom icons and dialog boxes—without spending an

arm and a leg. K-RESOURCE makes creating menus, icons, and screen dialogs easy. More powerful than the original DRI Resource Construction Set, K-RESOURCE is also compatible with all other .RSC files.

K-RESOURCE

TH9024 \$49.95

A-RAM™ by Kuma

by Roddy Pratt, UK

Can your RAMdisk partition any size disk emulator you want?

■ A-RAM can.

Can your RAMdisk **accelerate** your floppy write speed?

■ A-RAM can.

A RAMdisk is an area of memory set aside as a buffer that responds like a disk

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Everybody needs a great RAMdisk, and A-RAM is powerful, simple, and flexible enough for every application.

BONUS! Order now and we'll send you the best print spooler you've ever seen. Never wait for your printer again!

A-RAM & SPOOLER

ST0215 \$19.95

GST

Here is the compiler that IST WORD™ was written in.

GSTC COMPILER™

by GST, Ltd.

If you've recently begun programming in C, this is the compiler you're looking for. Its GEM Superstructure Library™ will make your very first program run with GEM windows—**automatically**. Write GEM applications without the complex learning curve associated with GEM AES and VDI. **Plus**, you don't have to remember any arcane commands. The compiler and editor use GEM **everywhere**—it couldn't be easier!

The package includes a special programmers version of the GEM-intuitive IST WORD™ editor, Linker, C Compiler, 68K Assembler, GEM bindings (including XBIOS) and a comprehensive user manual.

GSTC

TH9018 \$79.95

IST WORD™ Atari Corp.

A high-level Macro Assembler with an unbeatable combination of price, performance, and features.

GST-ASM™

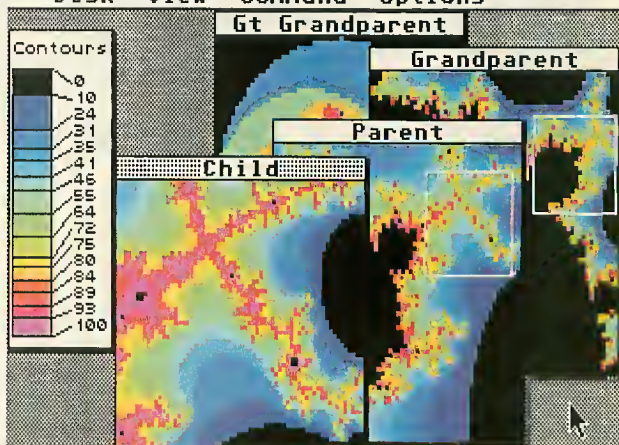
by GST, Ltd.

When you want to squeeze that last drop of performance out of your ST, GST-ASM is the macro assembler that will get the job done. It's got everything... high-powered macro facilities and toolkit, extended macro functions, 100% Motorola compatibility, plus the built-in exclusive GEM editor and GEM "shell" operating environment. In fact, it's probably the most elegant and sophisticated assembler available for any microcomputer. Naturally, it also creates cross-reference listings, symbol tables, supports include files, generates relocatable code, and produces object files compatible with every high-level language.

GST-ASM

TH9017 \$59.95

Desk View Command Options



LEARN GRAPHICS PROGRAMMING WITH GSTC!

GSTC APPLICATION/FOUNDATION I FRACTAL FACTORY™

The best way to learn how to write a full-blown GEM application is by example. You need **source code**. FRACTAL FACTORY is a unique and beautiful program developed by the GST in-house programmers—and it's a **great tutorial**. It includes all the source code, batch files, linker files, graphics and math libraries—**everything** you need to build your own amazing ST program. **Plus**, FRACTAL FACTORY is the ultimate fractal-maker, using multiple windows, variable zoom, and contouring to display and save infinite generations of dazzling mathematical graphics.

(Does not require GSTC.)

FRACTAL FACTORY

ST0228 \$19.95

LATTICE C™

Here it is. The industry-standard C compiler for the IBM PC and Amiga is available now for your ST.

- Full Kernighan & Ritchie implementation
- Macros
- Complete interface to GEM libraries (all libraries included in object **and** source form)
- Compatible with linkers for Alcyon (DRI) and GSTC
- Includes MENU+ GEM shell operating environment
- Full floating-point arithmetic
- No runtime licenses required
- 270-page manual

If you're writing serious software, you need a lot of flexibility. LATTICE C has it: **PRE-PROCESSOR COMMANDS, STORAGE CLASSES, TYPE DECLARATORS, OBJECT MODIFIERS, INITIALIZERS, and STATEMENT TYPES.**

INCLUDES: **EDITOR, LINKER, MENU+.**

Compatible with G.I.S.T. (page 10)

LATTICE C

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Technical questions? Talk with a Metacomco System Software Engineer: Call (408) 438-7201.

MCC MACRO ASSEMBLER

by Metacomco

The MCC MACRO ASSEMBLER is the companion assembler for Lattice C and MCC Pascal. This full-specification assembler was specifically designed to complement those languages. Features include: linker, editor, GEM libraries, macros, MENU+ and 100-page manual.

MACRO ASSEMBLER

TH0005 \$79.95

MCC PASCAL™ ISO PASCAL COMPILER

A fast and powerful implementation of ISO PASCAL conforming fully to the exacting ISO 7185 standard. MCC PASCAL is the ideal Pascal for new or experienced users. Features include:

- Fast, single-pass compilation
- Compatible with ISO Pascal running on other macros
- 32-bit integer math plus 32-bit floating point
- Comprehensive error-handling
- Includes MENU+ GEM shell operating environment
- 215-page manual

INCLUDES: **EDITOR, LINKER, MENU+.**

ISO PASCAL

TH0006 \$99.95

FLOPPY DISKS AREN'T PERFECT. THAT'S WHY YOU NEED DISK DOCTOR.

DISK DOCTOR™

by Dan Matejka

The best time to get a good disk editor is **before** your un-backed-up disk is zapped by a power surge—or you mistakenly send your tax-return to the **trash can** instead of the backup disk in drive B.

DISK DOCTOR will make recovery of your lost data as painless as possible. You can even use its built-in GEM disk editor to personalize your own software's menus and error messages. DISK DOCTOR is the perfect file repair utility for casual users, plus it's one of a programmer's most valuable tools.

DISK DOCTOR

ST0211 \$29.95

MAINFRAME ARTIFICIAL INTELLIGENCE ON AN ST? ABSOLUTELY!

CAMBRIDGE LISP™ 68000

LISP, the symbolic language of **artificial intelligence applications**, is now available on the Atari ST. LISP (LIST Processing) is the language of choice in the fields of robotics, expert systems, and natural-language interfaces.

CAMBRIDGE LISP 68000 was **created in the same A.I. lab that developed the original LISP.** Its authors, Cambridge University Professors John Fitch and Dr. Arthur Norman, have custom-designed a powerhouse, mainframe

language for your ST that **supports all GEM AES and VDI calls.**

Transform your Atari ST into a full A.I. workstation at the most outstanding price/performance yet achieved by a LISP system on any personal computer. And **CAMBRIDGE LISP 68000 is both an interpreter and a compiler.** Use the interpretive mode together with the trace package to quickly develop and debug programs. When all the diagnostics check out—compile it!

INCLUDES: **EDITOR, LINKER, MENU+.**

**CAMBRIDGE LISP
TH9037 \$199.95**

"For an environment that's superb for development, I vote for Metacomco."

—Anita Sinclair,

Magnetic Scrolls, UK

(developers of THE PAWN)

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We market a wider range of software than anyone in the ST marketplace. Whether you're a first-timer, veteran, or a major software firm, we have a place for you in The Catalog. We also distribute thru over 1,000 retailers. So, if you're looking for broad distribution and understanding support, send us your program and let us take a look. Worried about security? So are we. Just send us a description of your software and we'll arrange the necessary non-disclosure agreements.

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ST BASIC/LOGO SAMPLER

BASIC: Includes MIDIREC.BAS—a simple MIDI sequencer and sample song files, BG.BAS—backgammon, Fractals in BASIC, Biorythm's, and more. **LOGO:** Nearly a dozen useful routines including complex graphics. Plus two bonus desk accessories.

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SOLID SOURCE CODE

Features Jim Luczak's VDI SAMPLER and C PRIMER, which demonstrates C programming techniques and the use of VDI functions and their C BINDINGS.

PD9079 \$12.00

XLISP

XLisp, written by David Betz, is a version of the LISP programming language on the Common LISP standard with extensions for object-oriented programming.

PD9084 \$12.00

PROFF

PROFF is a text formatter similar to popular mini-computer tools like RUNOFF and TROFF. PROFF takes input from standard ASCII text files with embedded formatting commands and produces fully-formatted output files.

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ST ARCHIVES

START back issues and ANTIC compendiums

GET YOUR ST LIBRARY OFF TO A GOOD START! Back issues of START, the ST Quarterly, are now available. You can order either the magazine, or the START disk—or both. Be sure and get them all now while we still have them in stock. (Issue #1 is in very limited supply. If you want that one, don't linger.) Magazines are only \$4.00 each, disks are \$10.95

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AND—THE ANTIC ST RESOURCE COMPENDIUM

A complete collection on 3½" disk of all the programs appearing in the ST RESOURCE section of ANTIC Magazine from the very first issue. Each disk is packed with example source code and runnable programs. \$10.95 each.

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ST RESOURCE COMPENDIUM #1	8/85-1/86	SB0101
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ST RESOURCE COMPENDIUM #3	6/86-9/86	SB0103
ST RESOURCE COMPENDIUM #4	10/86-2/87	SB0106

ATTENTION RETAILERS!

The Catalog offers retailers the highest quality software at the lowest price. We're eager to help you service the growing community of ST owners in your area. Give us a call at (415) 957-0886 and ask for Brian Sarrazin, Sales Manager.

Archive Collection

A collection of tools for manipulating archives—multiple files combined and compressed into single library files for later extraction and use..

PD9094 \$12.00

S/Terminal plus SOURCE!

PD9057 \$12.00

"Enhanced version with fill and palette functions."

ST DOODLE plus SOURCE

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ST FRACTALS plus SOURCE!

Uses Mandelbrot algorithm to draw fractals in GEM windows in any resolution. Then zoom in with 2×, 4×, 8×, or 16× magnification. Change fractal iteration values and rescale fractals to enhance their color.

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The top eight monochrome entries from Batteries Included's DEGASart competition. Includes a slide-show viewing program—DEGAS is not required.

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The top eight color entries from Batteries Included's DEGASart competition. Includes a slide-show viewing program—DEGAS is not required.

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MicroEMACS Collection

MicroEMACS, originally developed by David Conroy, is a popular implementation of a useful subset of the EMACS text editor used on mini-computers

PD9090 \$12.00

UNITERM—TEK/DEC Terminal Emulators

UNITERM, written by Simon Poole, is a public domain GEM-based terminal emulator supporting complete VT100 and Tektronix 4010/4014 modes (with zoom), as well as ASCII file-transfers and other features. Also included on the disk, both with full C source code, are WTERM II, a GEM-based Tektronix 4010 emulator.

PD9091 \$12.00

ADVSYS

ADVSYS, written by David Betz, is a complete Lisp-like language for creating text adventure games. It offers special facilities for giving descriptions, parsing user-input sentences, and handling objects and actors. Includes complete docs on disk, as well as "Starship Columbus," a completely documented sample adventure that's also fun to play!

PD9092 \$12.00

SPELL/Writer's Tools

SPELL, written by Eric Bergman-Terrell in Personal Pascal, is a simple spelling-checker for ASCII or Ist-Word files. It scans your document, reporting incorrect words and allowing you to add them to the program's unlimited-size dictionary.

PD9093 \$12.00

CAD-3D COLLECTION I

The first collection of complex objects created by Tom Hudson with CAD-3D.

(requires CAD-3D ST0214)

PD9085 \$12.00

SILICON SUMMER

Cool Refreshing Software

Cruisin' down Atari boulevard, checking out the latest wave of digital goodies. When the mercury's pushing ninety, we've got the cure to beat the heat.

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department, doubled the customer service team, built several hundred shelves in the basement and filled them with our products. And now, when you order a Catalog product, *we take care of the whole thing in house*. When you talk to one of our customer service people on the phone and they tell you that your product has been shipped, you can be sure that it has—because *they* shipped it. These are Antic people. They know their products and they care about their customers.

Since starting our new system, we've found we can turn around most orders in one or two days. But we don't want to make any unrealistic claims. So, how about one week? **We promise to fill your order and send it out the door one week from the time we receive it.** And you can take that to the bank.



Lisa Wehrer
Manager, Consumer Services

NEW!

THE FIRST XLENT WORD PROCESSOR

by David Castell

"As good or better than any other word processor you'll find for the 8-bit Atari." — Charles Cherry
Antic magazine

FIRST XLENT is packed with powerful features: edit two documents simultaneously, add pictures to text, load in custom Atari fonts, optional joystick cursor movement, lightning-fast search-and-replace, soft hyphenation, partial document save, double-column printing, 80-column text preview. FIRST XLENT is compatible with almost any DOS (including SpartaDOS) and supports the 130XE RAMdisk for instantaneous file I/O.

TH0010

\$29.95

TYPESETTER

by Len Dorfman & Dennis Young

Layout and design printware for your Atari. TYPESETTER uses the maximum resolution your printer is capable of—no matter what the screen resolution. And if you have a 130XE, TYPESETTER will take advantage of that extra memory to create hardcopy layouts with a resolution up to 768 by 672 pixels! TYPESETTER is compatible with Epson, Gemini, NEC, Atari XMM801, and Prowriter printers.

TH0008

\$34.95

MINIATURE GOLF PLUS

by David Plotkin

Remember those warm summer evenings, down at the pee-wee golf course? The faded green carpeting and multi-colored balls? Impressing your date with that impossible bank shot around the moving barrier? Now, you can relive those halcyon days with David Plotkin's MINIATURE GOLF PLUS, a faithful simulation of the challenges, pleasures, and frustrations involved in getting the ball in the cup. And, if you're not satisfied with the course, MINIATURE GOLF PLUS includes a construction set. Design your own devilishly difficult holes.

TH0011

\$29.95

PAGE DESIGNER

by Dennis Young and Len Dorfman

PAGE DESIGNER is the ideal graphics utility for your Atari. Plan and design an 8 1/2×11-inch page on your screen—then print it to your graphics printer. Use graphics or text. Page designer comes with a special conversion utility to uncompress touch tablet files and is compatible with Epson, Prowriter, Panasonic, Citizen, Mannesmann Tally, Gemini, and Atari XMM801 printers.

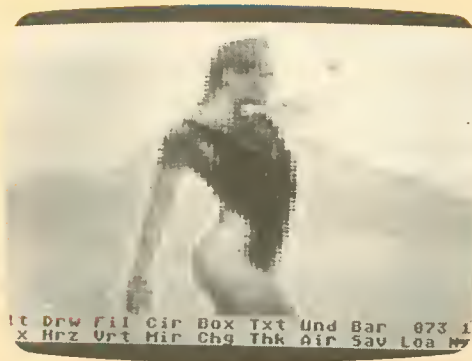
TH0009

\$29.95

RAMbrandt

Atari Design Studio

BEST
SELLER!



All-time best-selling Atari paint Program

by Bard Ermentrout

Imagine . . . the ultimate paint software. For under \$20! Sit down with RAMbrandt and enter a design studio with the tools to make anyone a creative artist. It took our technical staff three hours to step through each of RAMbrandt's features. Use the built-in toolkit to enhance your own programs or picture files. Or just doodle for the joy of it! We barely have enough room to list all the power, but here goes:

- 5 graphics modes (7, 7+ (ANTIC E), and GTIA 9, 10, 11)
- Works with joystick, Koala Pad/Touch Tablet or both
- Horizontal and vertical coordinates always displayed
- Box, Circle/Ellipse, Rubber band line, Freehand plot, Text (4 sizes, any

font—3 fonts included), Zoom, Mirror (vertical, horizontal, 4 way)

- Fill (solid, pattern, random, user-defined patterns)
- Unlimited user-defined brushes (5 pre-defined)
- Quilts and Tiles (user-definable color patterns—5 of each pre-defined)
- Paint or Fill with any pattern, quilt, tile, or font
- 128 colors in any mode with easy one key DLI access
- Random/Probability/Exclusive-Or/Transparent "colors"
- Color Hunt mode (paint over only the color you choose)
- Animate mode (up to 32 frames at any speed)
- Window mode—any or all of your

picture: Rotate, vertical or horizontal flip (T-shirts), wipe, animate, scale (larger or smaller), cut and paste, rubber stamp

■ Printer dumps for Epson, Star (Gemini), C. Itoh, NEC and compatibles

■ Okimate 10 color printer dump supports color fine-tuning

■ Load pictures from Moviemaker, Microillustrator, Micropainter, and ComputerEyes formats

■ 130XE RAMdisk Support!

REQUIRES: One Joystick and/or Koala Pad or Atari Touch Tablet AP0157 \$19.95

FREE BONUS! Order now and get a **FREE DISK** of pictures and extra character fonts.

Don't miss the RAMbrandt COLLECTION (PD0073—Page 15), a slide show for your RAMbrandt pictures with ten different special effects.



A 3-D Solid Object Modeler for RAMbrandt

SOLID OBJECT MODULE

by Bard Ermentrout

Now you can easily create 3-D objects with RAMbrandt. Start with 8 different primitives: Sphere, Torus, Cylinder, Spool, etc. Combine them to make complex structures. Then flip into RAMbrandt to complete your picture. This module will not rotate the objects, but it will do just about

everything else: 4, 8, or 16 level greyscale. Halftones (random or up to 64 dithered patterns). Backlighting or point source lighting. Clipping window to use parts of objects. Undo command. Much, much, more. If you use RAMbrandt, you need the Solid Object Module.

REQUIRES: 48 K RAM, RAM-brandt AP0182 \$15.95

★ TRAVEL TO THE STARS! ★

"Feed your imagination a banquet!"

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EARTH VIEWS

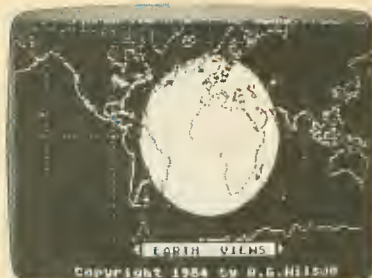
by R.G. Wilson

EARTH VIEWS is a WORLD ATLAS—an electronic GLOBE—an exciting adventure GAME. Yes, its all three in one. Call up 250,000 different maps and views of the Earth instantly. Includes detailed hi-res maps and projections linked to a "Gazetteer of WORLD PLACE NAMES.

In the GAME: you fly into the Ber-



Mercator Projection

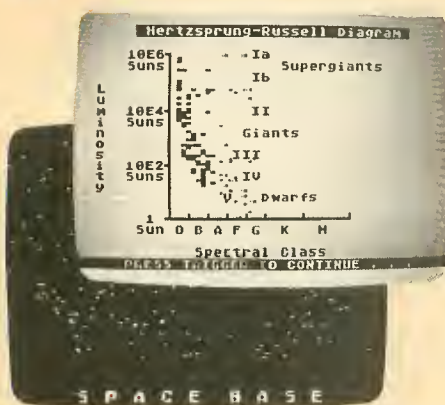


Rotating Globe

muda Triangle and go on quests to exciting places. Detailed screens display longitude and latitude, lots of

colorful information.
REQUIRES: Joystick
AP0141

\$19.95



SPACE BASE

by Jeff Mehlman

SPACE BASE is a computer-referenced SKY ATLAS—SPACE BASE is a STELLAR INFORMATION DATA BASE—SPACE BASE is a complete, instant ASTRONOMY REFERENCE SOURCE! SPACE BASE is **ALL THREE! In ONE PROGRAM!** Features include: Cursor movement over giant 9-foot by 3-foot scrolling color star map. Get star data: Name, Right Ascension, Declination, distance from Earth, parallax, radial velocity,

magnitudes, spectral type, color index, and more! Colorful screen chart shows where each star fits into the Hertzsprung-Russell Diagram. Study deep sky objects: diffuse nebulae, planetary nebulae, open clusters, globular clusters, many types of galaxies. Border of screen is the "color" of that star! A must if you own a telescope. A valuable addition to your library of learning software.

REQUIRES: 48K RAM, One joystick
AP0142

\$19.95

Simulate a trip to the Moon.

ORBIT—A TRIP TO THE MOON

by John D. Reagh

BEST SELLER!

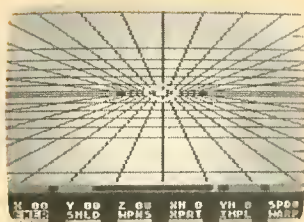
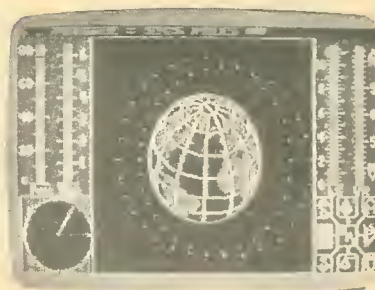
Dock with the Space Station to get supplies, then head for the Moon. Establish a low altitude orbit, detach the landing module and descend to the lunar surface. This is a serious simulation of a true mission. Fuel consumption, life support systems,

orbital position, altitude, rocket burn time, thrust vectors, radial velocities, orbital constants—keep track of them all. On-board ship's computer instantly plots new courses.

Designed and written by a Lockheed aerospace engineer. Complete with documentation that's educational too.

REQUIRES: Joystick
AP0168

\$15.95



Star Raiders was a great game. . . for its time.

XTAL (CRYSTAL)—AN ADVENTURE IN SPACE

by Dave Reese

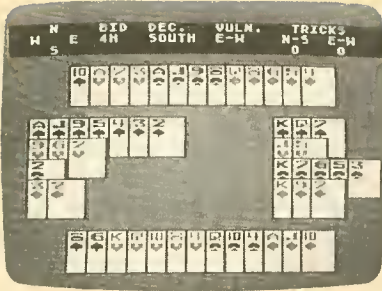
A planet-threatening Ion Radiation storm has developed in the peaceful

Canasian section. Your mission: destroy that storm.

The EXCALIBUR comes equipped with impulse and warp drives, transporters, phasers, communicators, shields, quadrant map display, and a spectacular 3D cockpit/navigation viewscreen.

AP0158 Star Raiders® Atari Corp.

\$15.95



The card game of royalty . . . and society.

BLUE TEAM BRIDGE

by Walt Huber

A complete, tournament-level computerized bridge simulation. Now you can learn to play and play more often. Improve your game.

New players can learn to play right.

Intermediate players can learn an advanced style of bidding. Advanced players can learn new bidding conventions to sharpen their skill. All will have a worthy competitor when you "can't get a foursome together." Your favorite game is always at your fingertips.

REQUIRES: Joystick
AP0178

\$15.95

Great moves . . . for all level players.

COLOSSUS CHESS 3.0

The Ultimate Computer Chess.

by Martin Bryant,
English Software UK

**BEST
SELLER!**

Here's a chess program with all the moves of a chess master, a great chess tutor or a master tournament opponent. Whether you're a beginner or a pro, COLOSSUS CHESS 3.0 is for you.

Dare to challenge the program that outplayed 20 of the best computer chess programs available!

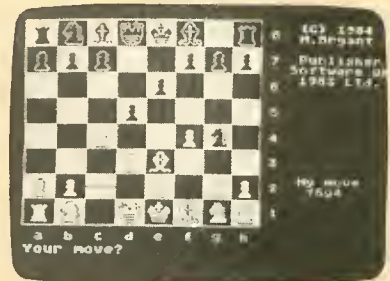
■ Unique two-screen dual display—current game and unique view of COLOSSUS's "brain." Watch Colossus consider thousands of moves.

■ On-screen elapsed-playing-time clocks add realism, excitement to Tournament mode (full tournament play).

■ COLOSSUS teaches you to be a better chess player with simulation modes (infinite mode, problem mode, equality mode, average mode, all-the-moves mode, blindfolded mode). Adjust playing speed and style.

REQUIRES: 48K RAM
AP0161

\$15.95



NOTE: COLOSSUS CHESS 3.0 was named ". . . one of the best buys in chess programs today" by Analog magazine (Nov., '85).



A Professional Drum Machine

THE RHYTHM COMPOSER

by Glenn Gutierrez

Create and edit drum sequences. Use them in any order, at any tempo.

Work with the dozens of drum sounds included, or create your own. Ideal for the student and hobbyist. Indispensable for the musician and composer.

AP0180

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Play graphics like an instrument.

COLOURSPACE

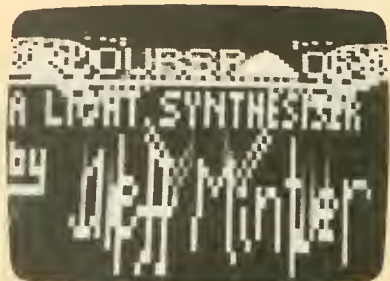
by Jeff Minter, Llamasoft UK

There is nothing else like COLOURSPACE! This "visual synthesizer" drives the Atari's incredible graphics to the max. Use your joystick to create mind-boggling light shows. "Record" up to an hour for immediate

playback, or preserve it all on video cassette. Unlimited applications: eye-grabbing displays, abstract music videos, special effects, the ultimate video titler, or turn up the music, turn down the lights, and get lost in the magic of COLOURSPACE.

REQUIRES: Joystick
AP0166

\$15.95



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Now, supports the Atari 1027 printer.

WORD MAGIC™ and GRAPHIC MAGIC™

by Blue Collar Software



WORD MAGIC is the high-powered, low-priced word processor program for you! It's got every major feature you'll demand, plus all the special ones you'll love. "On-line help files" get you started. Choose from many type fonts. "Cut and paste" between files, then check your work with automatic, on-screen formatting.

WORD MAGIC keeps you in control; use a joystick or trackball to quickly move the cursor—Scan files rapidly! *NOTE: If you own the compatible Antic DATA MANAGER XL (AP0129), you can easily perform professional mail-merge list processing and form letter operations. Or use WORD*

MAGIC with built-in GRAPHIC MAGIC plus an Epson or Gemini printer—Easily and professionally insert any graphic into any document. Then preview, paginate and print it out automatically. (This pair is functionally similar to the Macintosh and ImageWriter graphics/text combos.) See FREE BONUS below.

OPTIONAL: One Joystick or Trackball Controller

AP0130 \$19.95

130XE version: Includes Word Magic, Graphic Magic and Spell Magic:

AP0160 \$29.95

Also works with Atariwriter and Paperclip!

SPELL MAGIC™

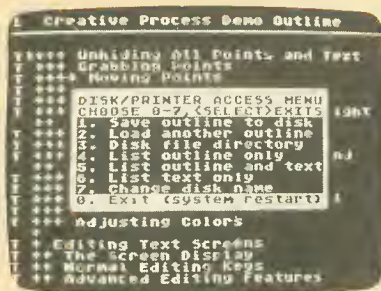
by Blue Collar Software

Spell it *right*—every time, with this 34,000-word integrated dictionary. Get started fast with on-line help and

simple menus. Install SPELL MAGIC and WORD MAGIC together on one disk. Also—check documents created by other word processors such as Paperclip and HomePak, and AtariWriter. Check in context: SPELL MAGIC always displays your document in a window on the upper half

of your screen. Add an unlimited number of expandable *personal dictionaries* (up to 10,000 words each). Updates your personal dictionary automatically while checking words. Counts words. Works with single or double drive systems.

AP0144 \$19.95



"Organize ideas with the only outline processor for the Atari." Compatible with Word Magic, Atariwriter, Paperclip, and other word processors.

CREATIVE PROCESS Version 1.8

by Dave Thorson

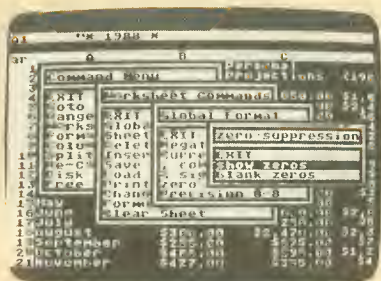
Outline processors have become indispensable authors' tools (you've seen them advertised for the Macintosh and IBM). CREATIVE PROCESS on the Atari is a tremendous aid in report writing—for business or school. Capture your ideas and turn them into *professional* documents. Reduce the time needed to get out a document, because speed is the key feature. It can help you manage your projects, make sense out of long meetings, and monitor works-in-progress. Plus, it's so flexible that it

can be used as: an address and phone number filer, calendar, recipe database, and for organizing everything. Pop-up command windows let you concentrate on ideas. Undo key, adjustable screen colors, utilities package, and 130XE RAMdisk support are only a few of CREATIVE PROCESS's huge list of features.

Comes pre-configured for single and enhanced density. Capable of supporting your double-density DOS's as well. 100% compatible with Word Magic (AP0130), Atariwriter, and Paperclip.

OPTIONAL: Printer, Word Magic (AP0130)

AP0151 \$19.95



PROGRAMMABLE spreadsheet for the XL and XE computers.

CALC MAGIC

by Metamorphosis Development

This is a full power, fast spreadsheet presented in a much easier-to-use programmable, multi-menu package. Now you can have sophisticated facilities to really control a spreadsheet—and get a solid grip on your budget or business.

Features include:

- Built-in plain-English programming language. Reduce your keystrokes

and allow build templates to allow non-technical people easy access to CALC MAGIC power.

■ Quickly test multiple "what if" conditions and determine actual effects.

■ Pop-up menus let you choose commands easily, avoid complex command sequences.

■ Supports DIF file transfer.

REQUIRES: XL or XE computer, 64K

AP0177 \$24.95

AT LAST! BELLS AND WHISTLES FOR B/GRAPH™

NEW!

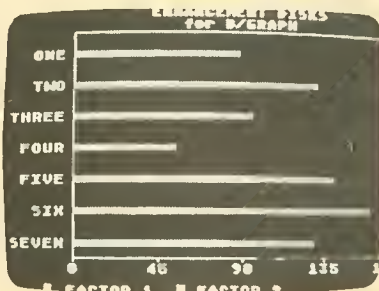
THE ENHANCEMENT DISKS (A 2-disk set)

by Robert Wilson

Ever since B/GRAPH—the most powerful Atari business/graphics software ever—was released, rumors persisted that its co-author, Robert Wilson, had created a collection of super utilities and enhancements for the original program that, combined, made the whole set comparable to business-presentation systems worth hundreds of dollars on other computers.

Those rumors were true. For several years, Robert Wilson created, debugged, polished, and reworked his collection of utilities until they became four packed disk sides of programs and documents. Although it is possible to use many of these pro-

grams without owning B/GRAPH, THE ENHANCEMENT DISKS are primarily designed to run with B/GRAPH—which is available from Batteries Included (and may be found in The Catalog, part #TH0005).



THE ENHANCEMENT DISKS features include:

- Bubble charts for market segmentation analysis

- Opposed bar charts
- Segmented horizontal bar charts
- Loan amortization schedules
- Instant switching of plotted variables
- Covariance and correlation matrices

And THE ENHANCEMENT DISKS support the Atari 1020, Radio Shack CGP115, and Mannesmann Tally Pixy plotters for the ultimate in clear presentation. Plotter features include:

- Exploded pie charts
- Floating bar charts
- Plotting of algebraic expressions
- 17 factors per graph with overlays
- Left and right side scaling

(Requires Atari BASIC)

AP0190

\$19.95

(B/GRAPH recommended)

B/GRAPH is a trademark of Batteries Included

Write better and faster

PaperClip™ 

PAPERCLIP—Power, flexibility and the ease-of-use that made the original PaperClip an Instant best-seller! Now, the Atari version offers even greater word processing capabilities than ever before! Easy to use features give a lot more power right at your fingertips. FEATURES INCLUDED: SPELLING CHECKER, DUAL TEXT WINDOW EDITING, ON SCREEN HELP FILES FOR ALL KEY PROGRAM FUNCTIONS, COMPLETE WITH PRINTER FILES FOR ALL MAJOR PRINTERS, AUTOMATIC TABLE OF CONTENTS, AUTO SAVE CAPABILITY, CUSTOM CHARACTER SETS, MACROS, and much more!

by Steve Ahlstrom and Dan Moore
TH0003

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FULL FEATURED, POWERFUL INTEGRATED SOFTWARE FROM BATTERIES INCLUDED 

3 in 1 Integrated Software System

HomePak™

HOMEPAK combines HOMEFIND, HOMETEXT, HOMETERM to make what Infoworld calls a "bold product". Now an electronic information manager, computerized writing tool and telecommunications product is yours on one powerful disk. EASY TO USE.

by Russ Wetmore

TH0004

\$19.95

Charts and graphs made easy

B/GRAPH™

B/GRAPH is a serious graphics/charting and statistics package. Create pie charts, bar charts, area graphs, and much more. Change designs without re-entering data. Make beautiful presentations that can be integrated with your reports generated from PaperClip!

by Robert Wilson and Michael

Reichmann

TH0005

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BBCS II BULLETIN BOARD CONSTRUCTION SET

by Scott Brause

Use the four BBCS editors to build your own powerful, custom Bulletin Board. Remote sysop capability lets you change menus and features from anywhere in the world with complete security. Your BBS will grow as you do—even start your own on-line business, create opinion surveys, and hold user group elections. Add cursor art/animation and fancy title screens too. Build your bulletin board system for everyone because BBCS is totally

compatible. Define up to 26 terminal types and directly support up to 25 other kinds of computers.

Here are a few of BBCS's long list of features:

- 65,792 security levels (plus privilege levels). Each level determines what the caller will or will not see.
- Xmodem upload/download.
- Downloadable files may be on separate drives and can be broken up into sections.
- Before a download takes place, the system calculates the actual transmission time at the current baud rate and reports it.

■ BBCS may be used with or without passwords.

■ System automatically checks for private email upon user log-on.

■ Time each user is allowed is selectable.

■ Callers may be tagged to alert the Sysop or blacklisted to auto log-off problem users.

■ ATASCII/ASCII capability (defined by terminal type).

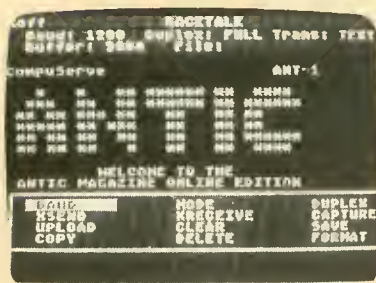
■ Full subdirectory support (with appropriate DOS).

REQUIRES: Hayes compatible modem and interface.

AP0146

\$24.95

MANY OF THESE TITLES CAN BE YOURS AT A DISCOUNT! (Look for details in THE CATALOG order form)



The only programmable modem software available.

BACKTALK 1.2

by Steve Ahlstrom, Dan Moore and Don Curtis

Designed by the authors of PaperClip, Synfile+, and Sherlock 1050, BACK-

TALK is powerful and easy-to-use. "Script" files can be executed with the touch of a button. Or they can run automatically—even in the middle of the night while the phone rates are lowest. Now you can wake up in the morning and read your email—with your morning paper—without having to download anything yourself! Bulletproof file transfer. Three protocols: Xmodem (with or without CRC), Amodem, and Xon/Xoff. Supports 300, 1200, 2400 baud modems, ASCII/ATASCII translation, full and half duplex. CB "chat" window provides uninterrupted communication during on-line conferences. Smooth

scrolling text reduces eyestrain. Friendly pop-up menu makes entering commands a snap.

Now you can use BACKTALK with every modem. Supports Hayes-compatibles, Atari 1030/XM301, and Supra/MPP 1000-series. There's even a way to load your own modem handlers. 130XE will love the way they can download files into the RAMdisk.

AP0154

\$19.95

NOTE: Some early 810 disk drives will not work reliably with BACKTALK's high speed I/O.

CHAMELEON CRT TERMINAL EMULATOR

VER. 4.03 NEW VERSION

by John Palevich

Written in machine language

Turn your Atari into a variety of computer terminals! Five popular types: Glass TTY, ADM-3A, DEC VT-52, IBM 3031, ASCII, plus a test terminal. Software supports tab, backspace, line feed (on/off), form feed, bell sig-

nal, speeds up to 9600 bps, plus lots more. Wide-screen 80 and 132 column emulation. You've never seen anything as fast and smooth as the vertical and horizontal fine scrolling. All these features make CHAMELEON flexible enough to use with UNIX operating systems. Perfect for logging on to non-standard systems, such as MCI MAIL and DELPHI, because you can customize all terminal

parameters. Autodials and stores up to 16 phone numbers. Supports file transfers and features on all Atari 850-interface, 835, 1030, and XM301 modems. Version 4.03 includes Columbia University's Kermit file-transfer capability, in addition to total compatibility with the popular Xmodem protocol.

REQUIRES: 48K RAM

AP0113

\$19.95



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This 2 DISK SET gives you complete command of your dot matrix printer.

PICTURE PLUS 3.0 and LISTER PLUS 1.5

by Chet Walters

Non-Standard Magic!

PICTURE PLUS is the total graphics utility combined with the ultimate ATARI screen dump. Now Version 3.0 is faster and works with nearly any DOS. It even works with RAMdisks.

Translate pictures between Micro-Illustrator, SuperSketch, Paint, Fun With Art, B/Graph, Movie Maker, Micropainter, Atari Light Pen, Atari

Touch Tablet, Koala Pad, LOGO, Computer Eyes, DrawIt, RAMbrandt (when converted), Graphics 7, 7+, 8, 9, 10, 11, and 15.

Work with the entire picture or just area you want. PICTURE PLUS will merge two pictures, reverse a picture left to right (for T-Shirts), turn it upside down, move it in any direction, make a negative, or change colors. Add text anywhere on the picture, in any color(s) and any font(s), in 6 sizes.

PICTURE PLUS will print screens in 4 sizes from 3" x 4" to 8" x 14". Directly supports printers compatible with Epson, Gemini, Prowriter,

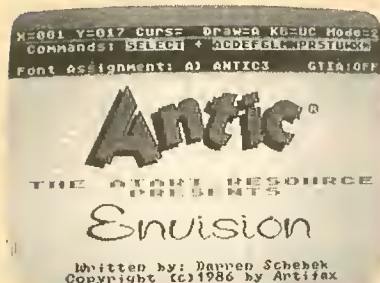
Okidata, color IDS, and color Mannseman Tally. Custom Printer installation program handles most others.

LISTER PLUS will print anything exactly as it appears on your screen including control characters, inverse letters, custom character sets, and character graphics. These two packages formerly sold for over \$30 each.

REQUIRES: 48K RAM, Atari BASIC

OPTIONAL: Dot Matrix Graphics Printer
AP0179

\$19.95



The RAMbrandt of character graphics.

ENVISION

by Darren Schebek

Create giant, multi-screen, 8-way scrolling pictures. Build effortless animations (up to 128 frames at 10 speeds). There has never been anything like ENVISION before. Did you think character graphics were blocky, ugly substitutes for the real thing? Take another look at this screen shot. Graphics 0. And in real life, it's animated.

ENVISION has over 50 commands giving you total control over the Atari's 6 incredible text modes. Print out your pictures, do fancy typesetting. Envision also supports GTIA

modes 9 & 11. A special utility converts microscreens to character graphics that are indistinguishable from the original. ENVISION is a brand new art medium and much more. It will create stand-alone pictures or produce BASIC and Assembler SOURCE CODE, a programmer's dream come true. On the 130XE, Envision supports 16 simultaneous fonts.

REQUIRES: Joystick
OPTIONAL: BASIC, MAC/65, SynAssembler, Epson-compatible printer
AP0185

\$19.95

Create Print Shop™ Icons from your favorite pictures.

GRAPHIC SHOP

by Charles Jackson and Darryl May

Now you can use most Atari picture files for your Print Shop signs, banners, letterheads, etc. It's a snap with GRAPHIC SHOP. Choose either to compress an entire picture into a Print Shop icon or to pick up and convert only a small portion of it. Print preview lets you choose which colors will be replaced by pattern fills, and which will be black and white.

OPTIONAL: RAMbrandt (AP0157)
REQUIRES: Print Shop
AP0156

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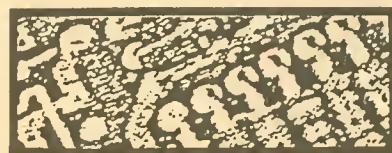
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by Harry Koons and Art Prag

Create hi-res world maps in 4 different projections. This is the predecessor to the spectacular Maps & Legends on the ST.

REQUIRES: Atari BASIC
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REQUIRES: Atari BASIC

AP0129

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ter/list processing needs! A special "Tools Manager" section features: database diagnostics and utilities plus a disk drive speed checker! How-to instructions are complete and detailed.

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REQUIRES: Atari BASIC
OPTIONAL: One Joystick

AP0133

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Print out your family's personal astrological charts.

ASTROLOGY

by Harry Koons and Art Prag

Complete your family records for posterity. With this menu-driven program you can easily create astrological charts for all of your friends and relatives. Use your joystick to quickly enter birthplace coordinates on scroll-

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REQUIRES: Atari BASIC, Joystick
AP0167

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Features include:

- Joystick controlled for ease of use.
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- Adjust program execution speed using joystick "throttle."
- Variable Display shows updated contents of variables during program execution.

- Stop, skip to any line, then restart your program at any point.
- Variable Menu displays all variables, arrays, strings in alphabetical order.
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- "Find" command for instant search of any variable or array element by name.

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Power combo for Assembly language programmers FLOATING POINT PACKAGE

Louis J. Chorich III

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by Jim Dunion

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REQUIRES: Mac/65

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REQUIRES: Text editor like Word Magic/AP0130

DEEP BLUE C and MATHLIB

AP0188

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(Toolkit And Integrated Library)

by Ed Churnside

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here for text parsing and string formatting, memory and bit manipulation, timing, I/O, graphics editing and compressing, animation, and more. It even does windows. There is the powerful SCRLD which will write your program for you. Like the man said, "If it ain't here, you don't need it." All this and the SOURCE CODE for DRAGON QUEST as a demo. Good programs for the Atari XL/XE are getting harder to find. Write your own.

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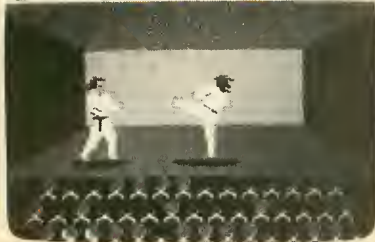
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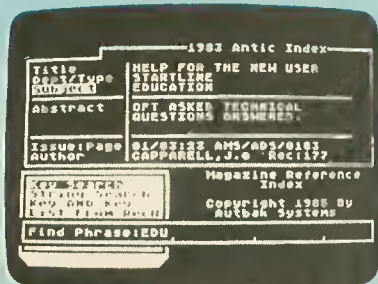
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Autbak Systems Technology

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